

## ABSTRACT OF THE DISCLOSURE

In a modem pool system capable of mitigating alien crosstalk, a system including a first modem pool including at least two modems, at least one protected line connected to one of the modems, at least one sensor line connected to another of the modems, at least one alien crosstalk predictor operative to sample an alien signal on the at least one sensor line and provide an alien crosstalk prediction signal, and at least one alien crosstalk prediction summation element operative to receive the alien crosstalk prediction signal from the alien crosstalk predictor and subtract the alien crosstalk prediction signal from a data transmission signal on the protected line.

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